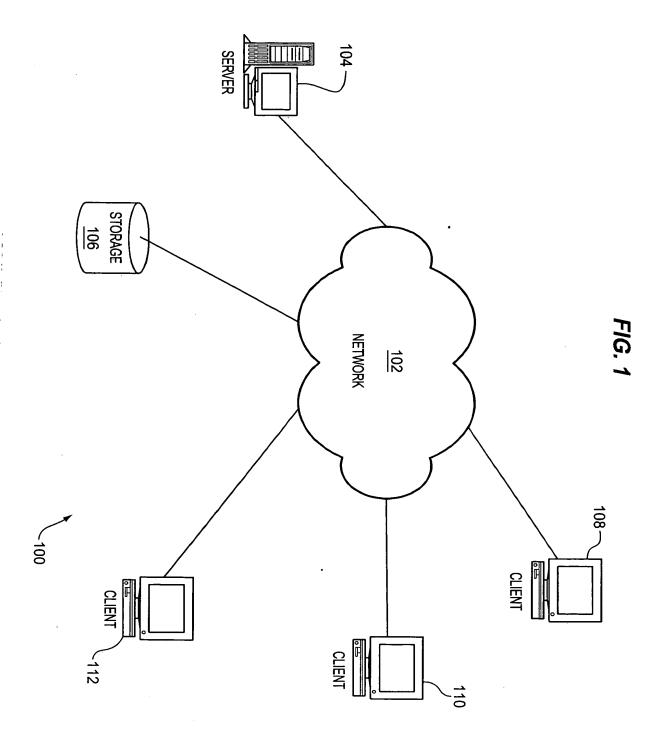
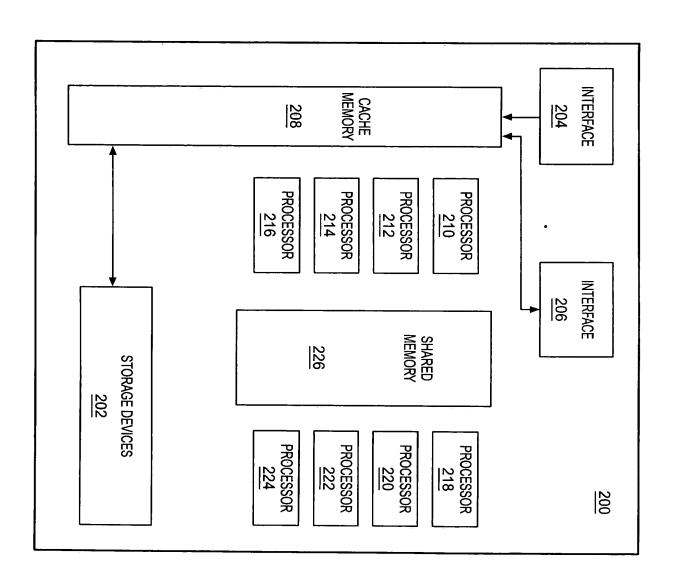
Title: APPARATUS AND METHOD FOR INSTANT COPY OF DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK . 1/30



Title: APPARATUS AND METHOD FOR INSTANT COPY OF DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK . 2/30

1G. 2



Titi PPARATUS AND METHOD FOR INSTANT COLUMN F DATA First Named Inventor: Stephen S. Selkirk et al.
Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK.

3/30

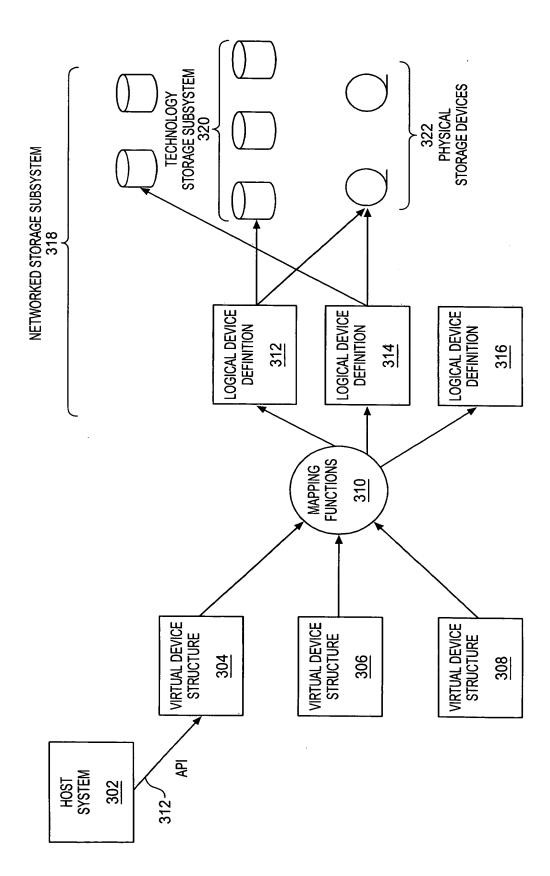


FIG. 3

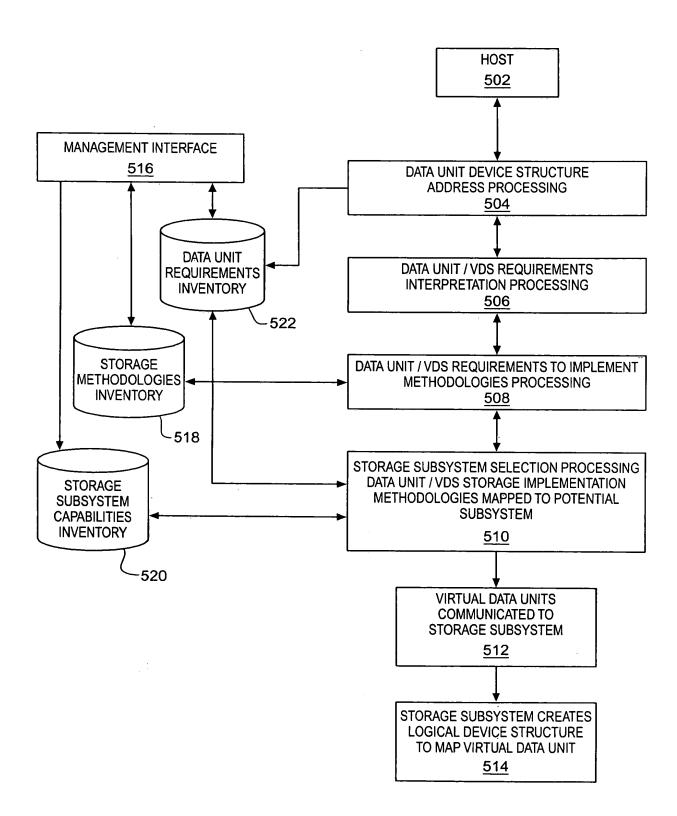
Title PARATUS AND METHOD FOR INSTANT COLOF DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK . 4/30

DATA - RECORDS nk+1 THROUGH nx; RECORDS ... DATA - RECORDS n<sub>j</sub> THROUGH n<sub>k</sub>; RECORDS n<sub>y+1</sub> THROUGH n<sub>z</sub> DATA - RECORDS n<sub>x+1</sub> THROUGH n<sub>y</sub>; RECORDS ... RAID STRIPE GROUP B - 402 - 406 RAID STRIPE GROUP A RAID STRIPE GROUP C

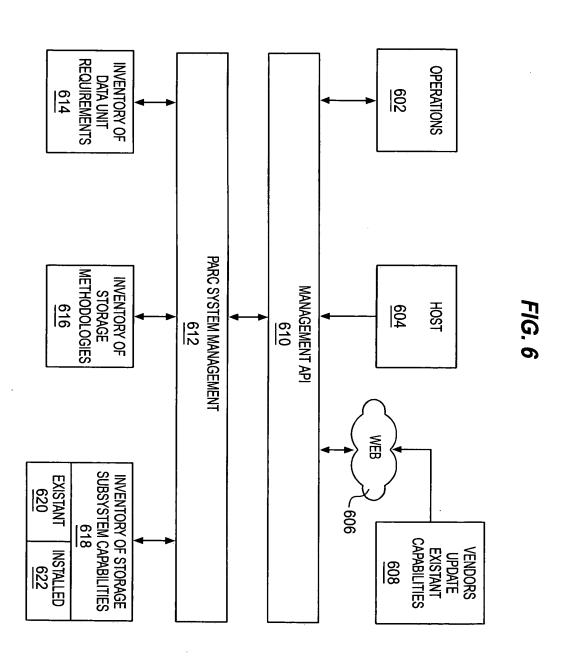
Title PARATUS AND METHOD FOR INSTANT CONFIDATA First Named Inventor: Stephen S. Selkirk et al.

Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK

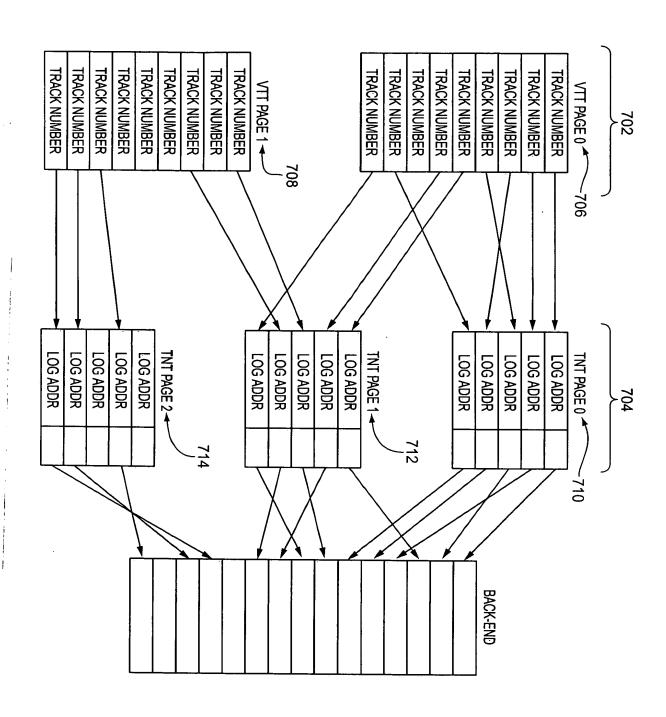
FIG. 5



Title: APPARATUS AND METHOD FOR INSTANT COPY OF DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 6/30



Title: APPARATUS AND METHOD FOR INSTANT COPY OF DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK



*IG.* 7

Title: APPARATUS AND METHOD FOR INSTANT COPY OF DATA First Named Inventor: Stephen S. Selkirk et al.
Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK . 8/30

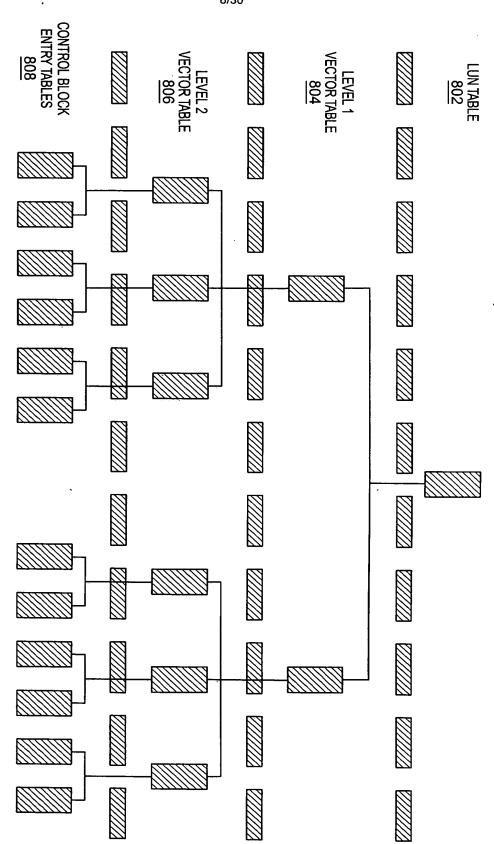
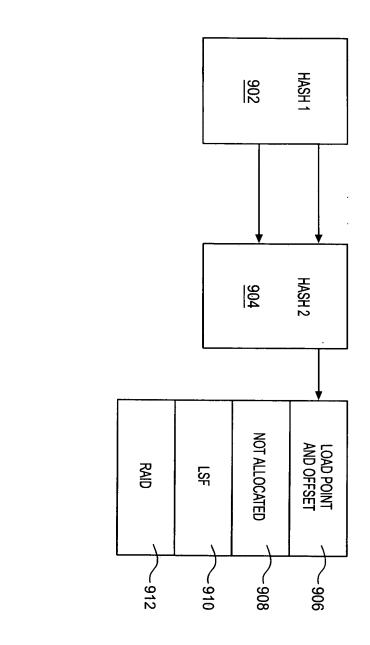


FIG. 8

Title: APPARATUS AND METHOD FOR INSTANT COPY OF DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 9/30



Tith PARATUS AND METHOD FOR INSTANT CONFIDENTAL First Named Inventor: Stephen S. Selkirk et al.
Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 10/30

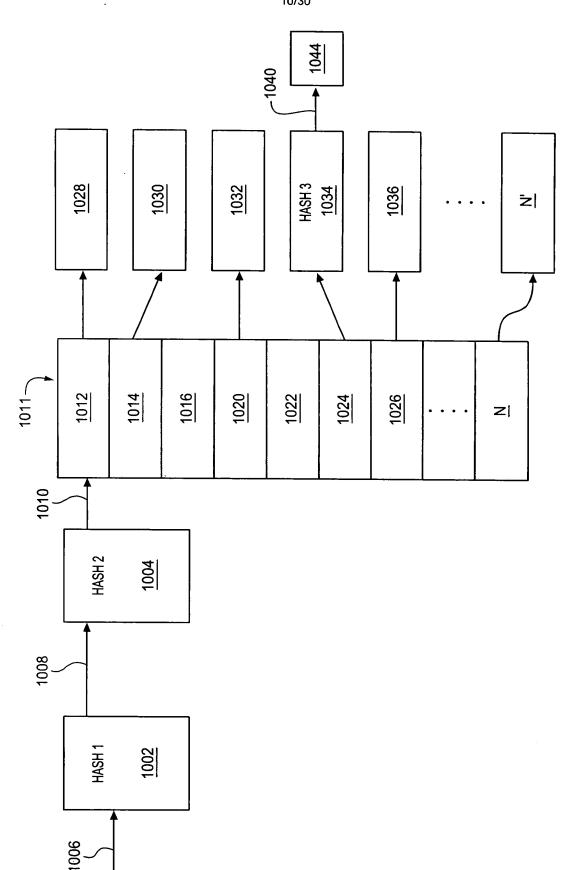
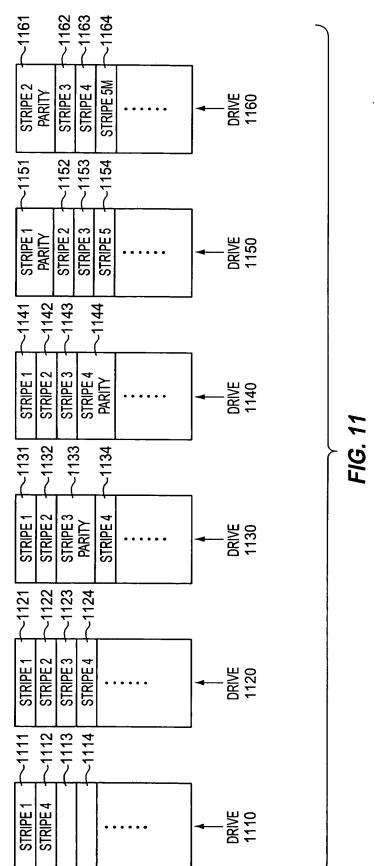


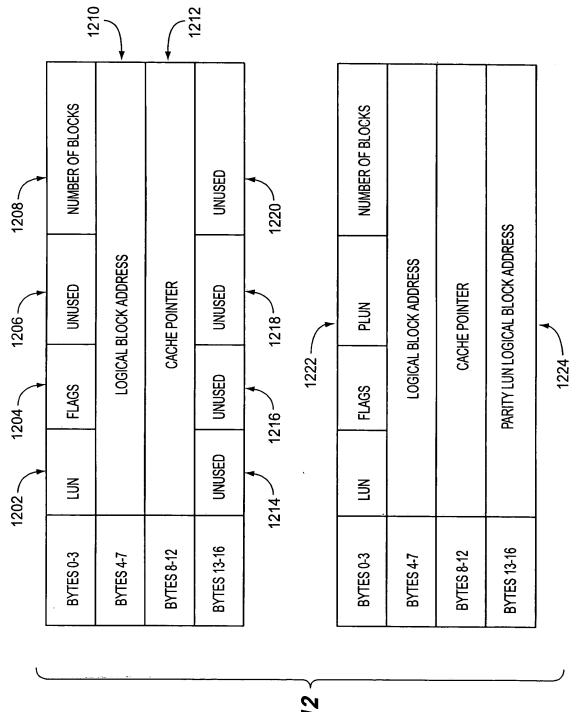
FIG. 1

Title PARATUS AND METHOD FOR INSTANT CONFIDATA First Named Inventor: Stephen S. Selkirk et al.

Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK . 11/30



### Title PARATUS AND METHOD FOR INSTANT CONFIDATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 12/30



F1G. 1

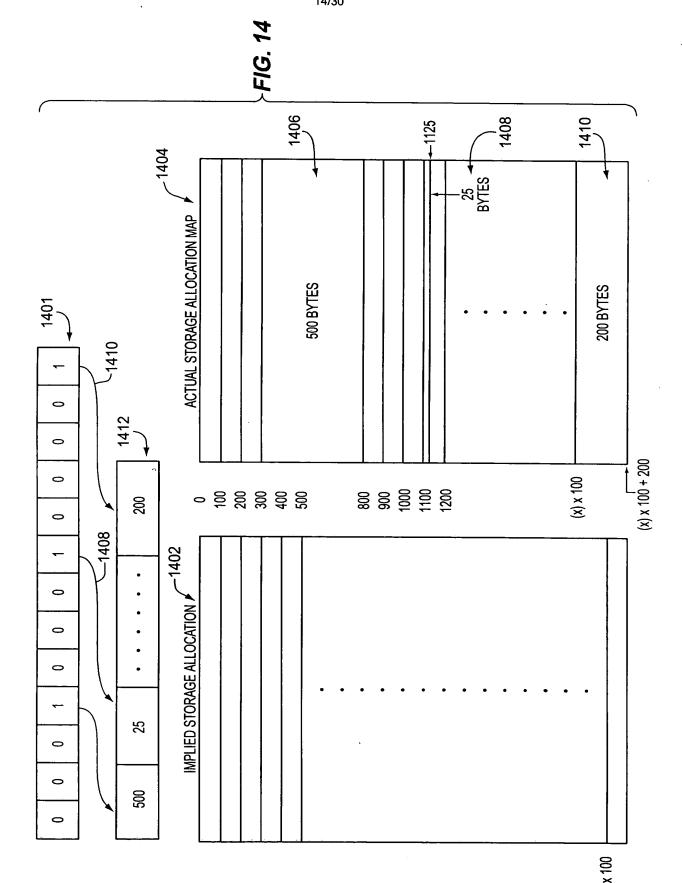
Title PARATUS AND METHOD FOR INSTANT COLOF DATA First Named Inventor: Stephen S. Selkirk et al.

Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 13/30

### FIG. 13

TIMESTAMP	LBA OF PREVIOUS STRIPE	E RAID TYPE OF STRIPE # OF STRIPS IN STRIP			# OF HOST PIECES IN STRIP UNUSED TA ON 1st LUN	LBA OF DATA ON 1st LUN	# OF HOST PIECES IN STRIP UNUSED	LBA OF DATA ON 2nd LUN	# OF HOST PIECES IN STRIP UNUSED	LBA OF DATA ON Nth LUN		HOST LENGTH	HOST LBA		HOST LENGTH	HOST LBA
		INDEX OF PARITY DRIVE		·	ACTIVE COUNT	LBA OF I	ACTIVE COUNT		ACTIVE COUNT	LBA OF D		LENGTH IN STRIP	Н		LENGTH IN STRIP	<b>1</b>
		PREVIOUS STRIPE LUN	STRIP SIZE IN BLOCKS		1st LUN IN STRIPE		2nd LUN IN STRIPE		Nth LUN IN STRIPE			NO31 LOH			NO31 FON	

Title PARATUS AND METHOD FOR INSTANT COLOF DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 14/30



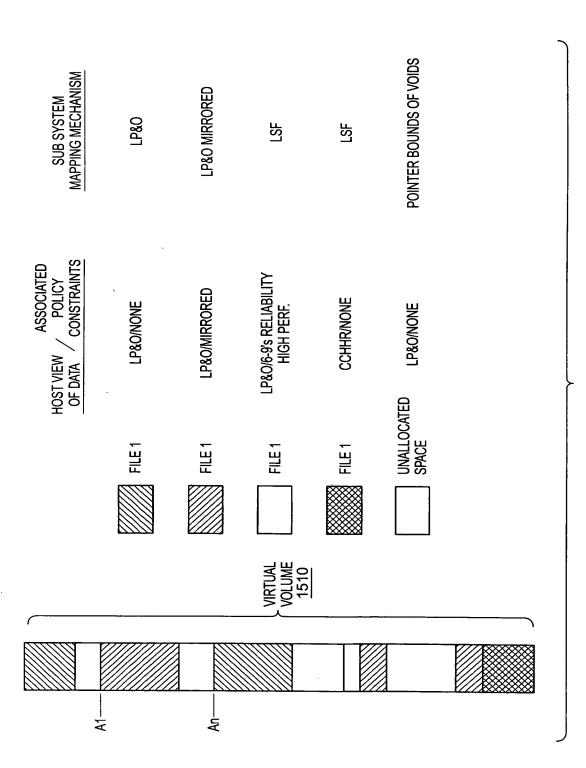
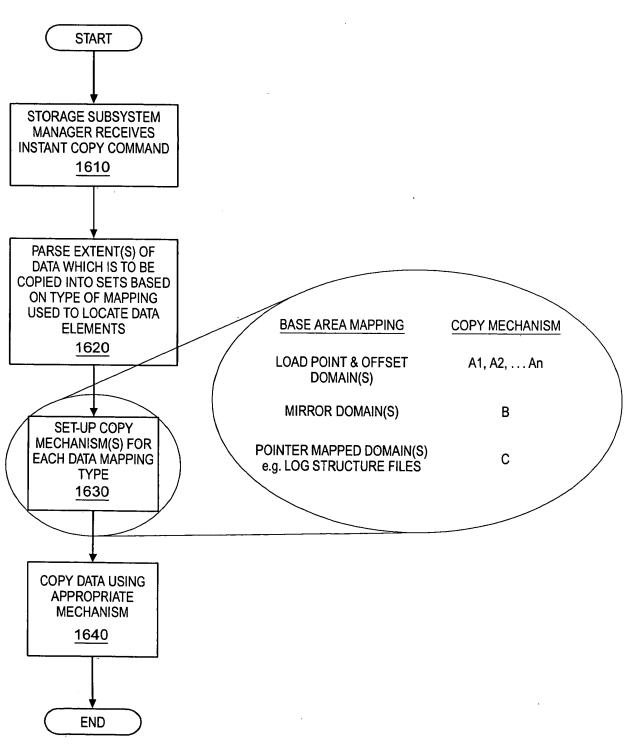


FIG. 15

Title PARATUS AND METHOD FOR INSTANT CONFIDATA First Named Inventor: Stephen S. Selkirk et al.

Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 16/30

FIG. 16



PARATUS AND METHOD FOR INSTANT COLOF DATA First Named Inventor: Stephen S. Selkirk et al.

Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 17/30

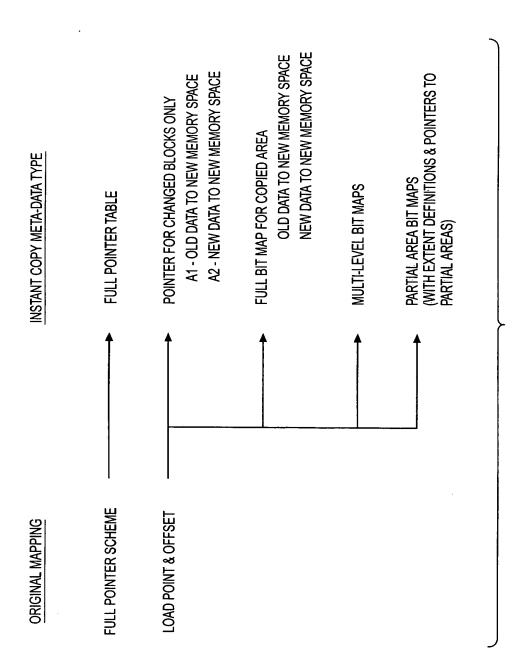


FIG. 17

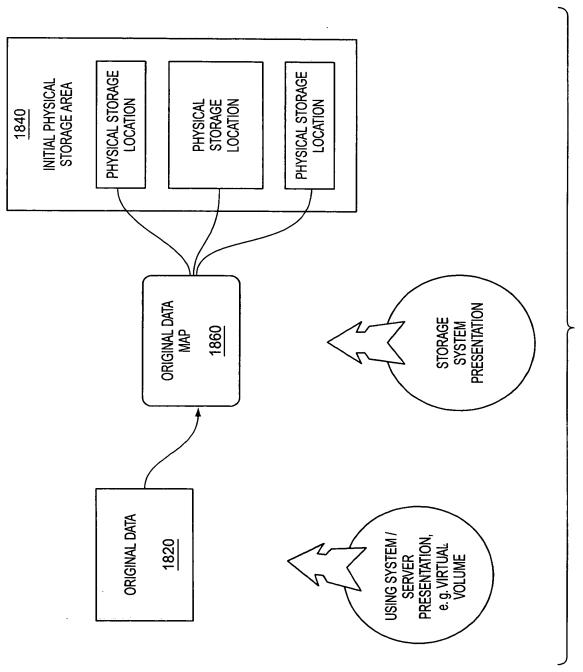
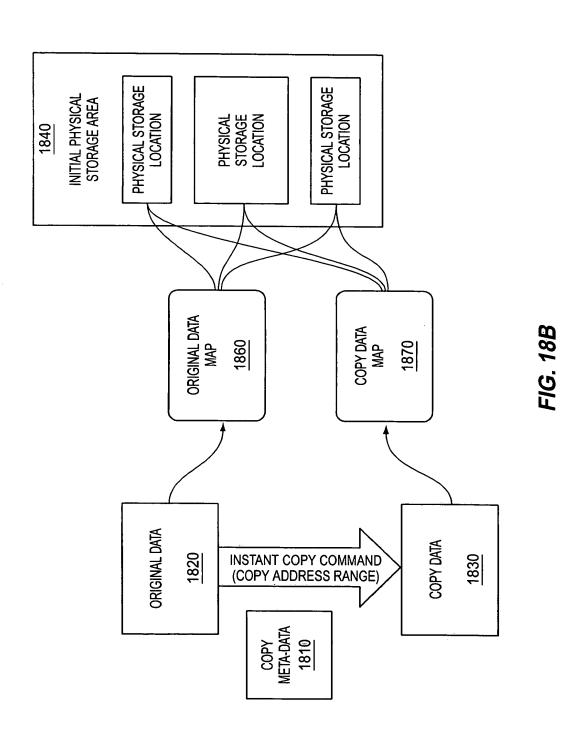
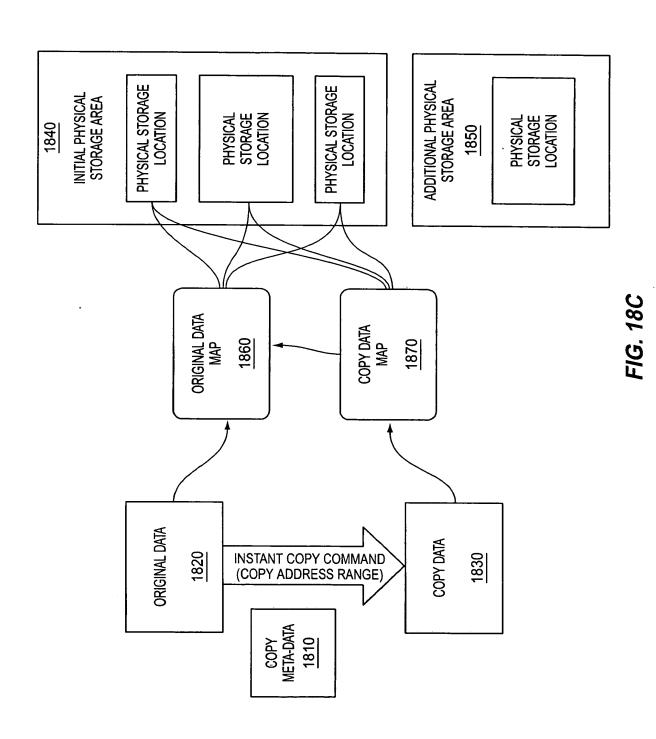
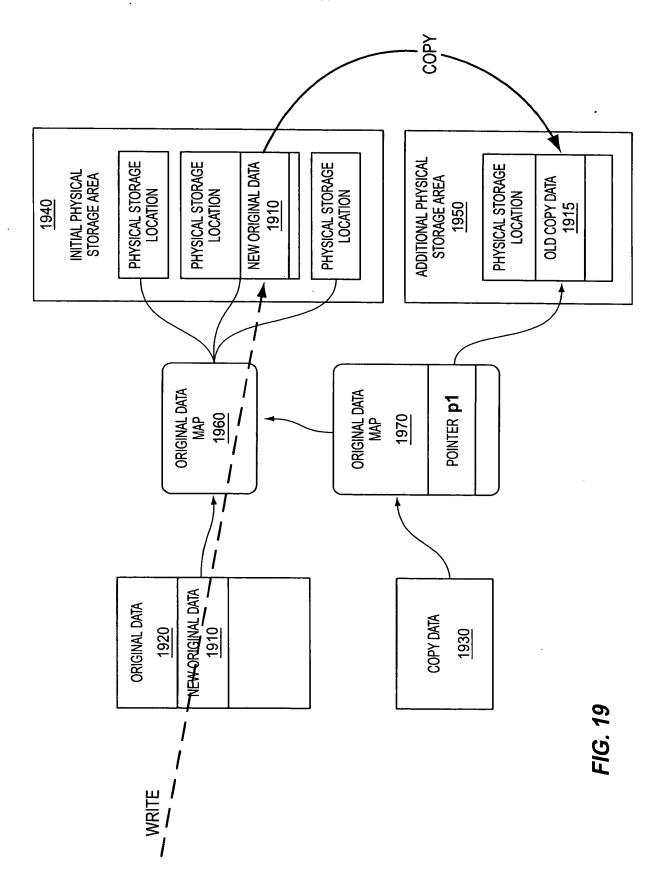


FIG. 18A

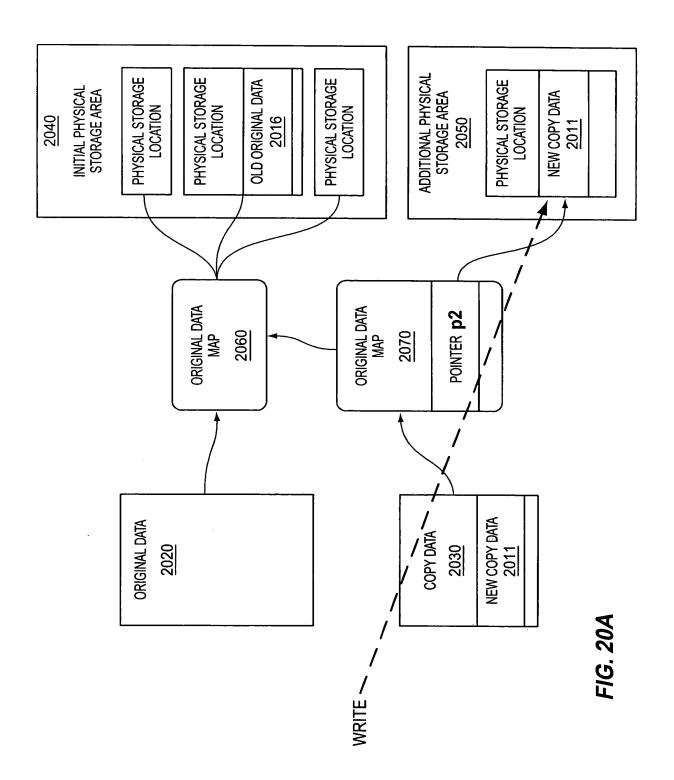




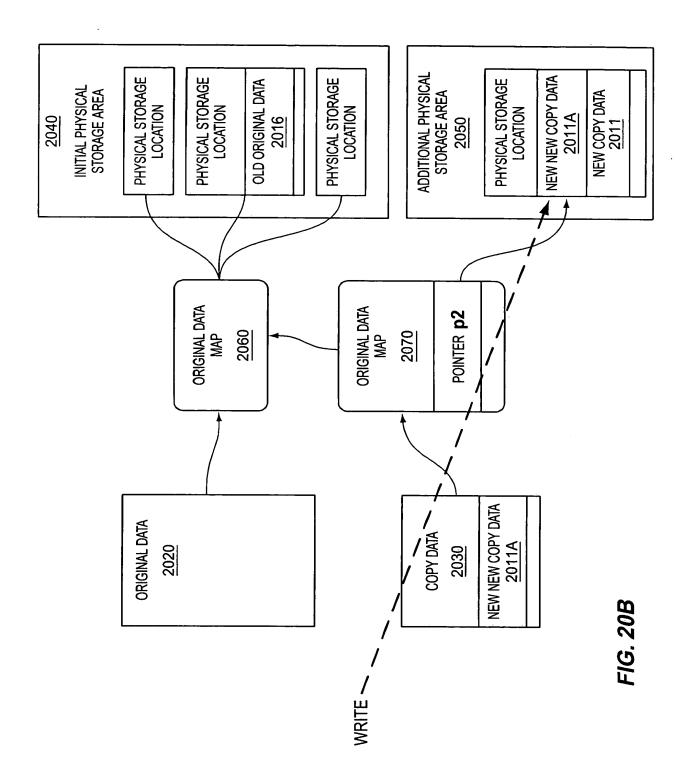
## Title PARATUS AND METHOD FOR INSTANT COLUMN F DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 21/30



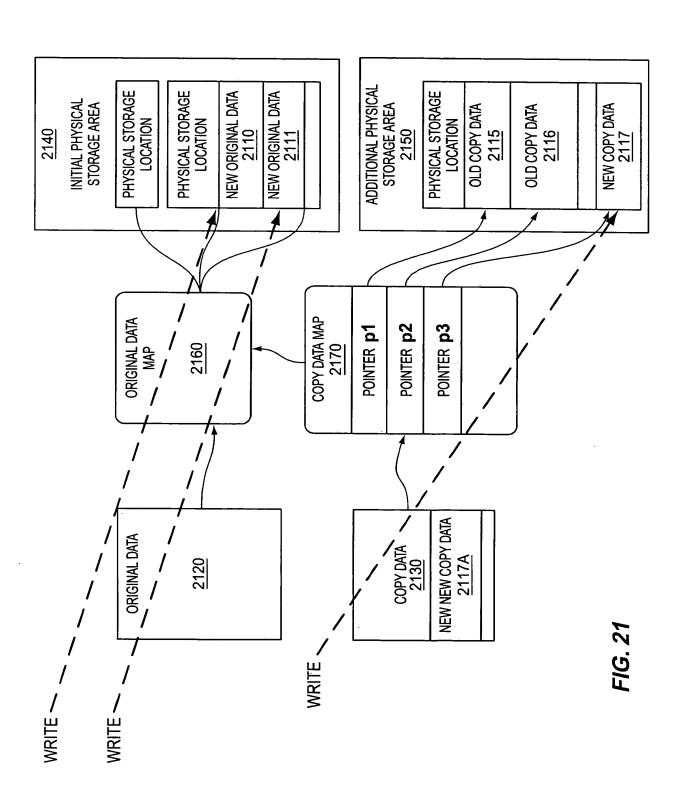
#### Title PARATUS AND METHOD FOR INSTANT COLOR DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 22/30

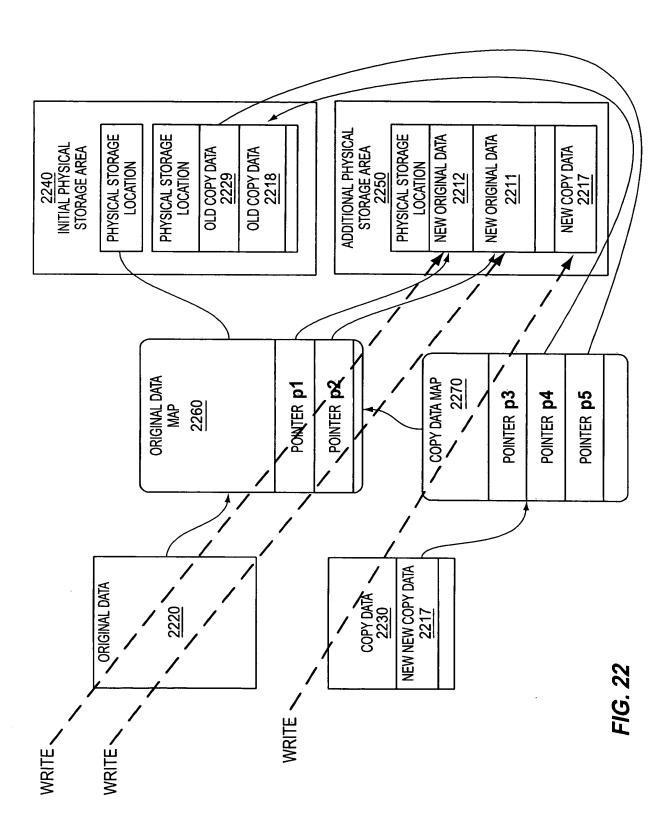


# Title PPARATUS AND METHOD FOR INSTANT CONFIDATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 23/30



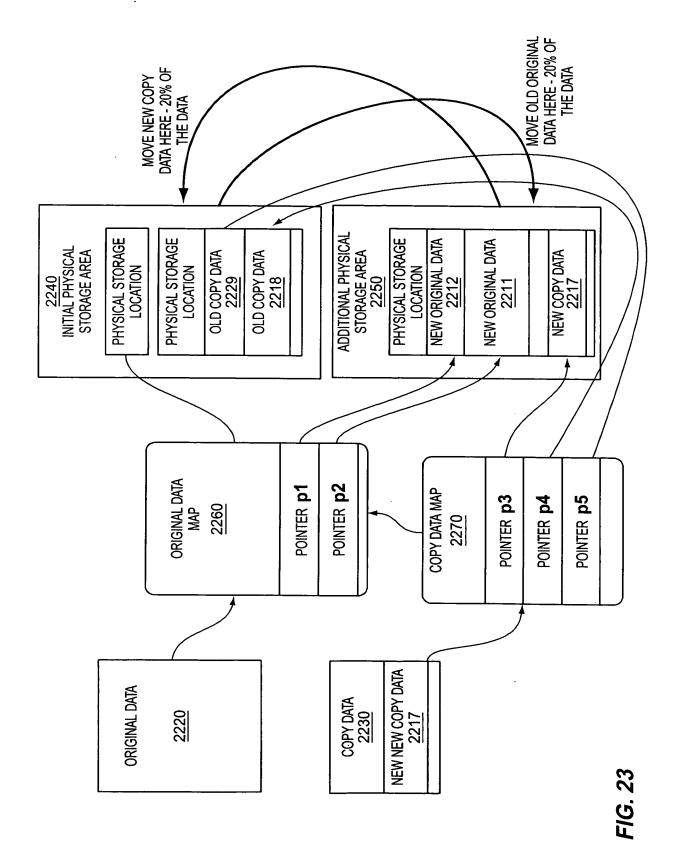
#### Title PPARATUS AND METHOD FOR INSTANT CONFIDENT DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK . 24/30

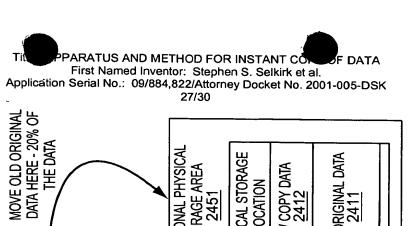


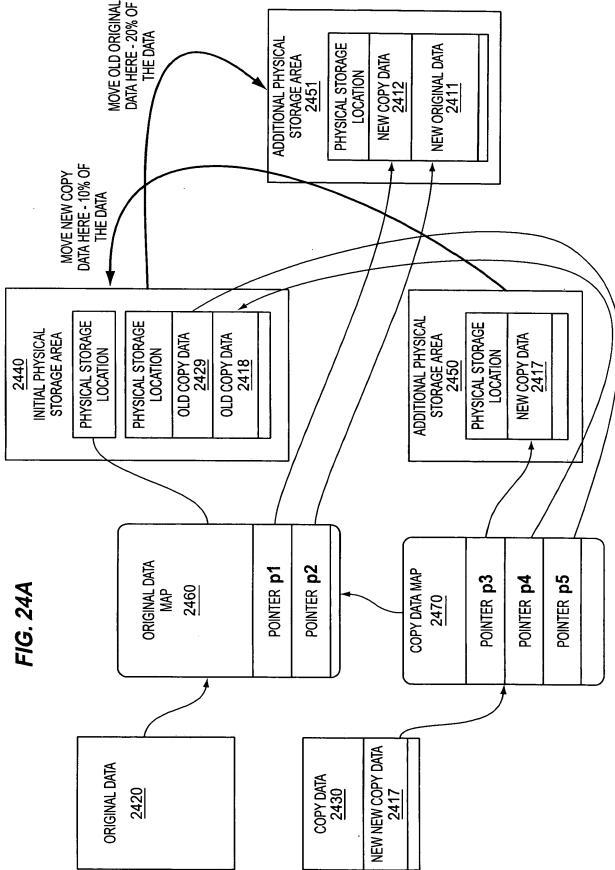


Title PPARATUS AND METHOD FOR INSTANT CO. F DATA First Named Inventor: Stephen S. Selkirk et al.

Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 26/30

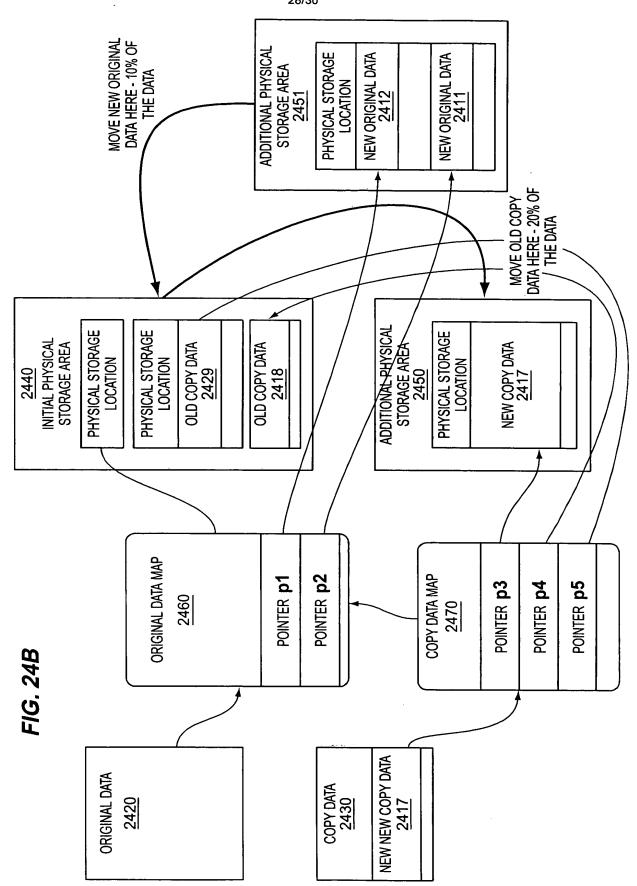






TO APPARATUS AND METHOD FOR INSTANT COOP DATA First Named Inventor: Stephen S. Selkirk et al.

Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 28/30



APPARATUS AND METHOD FOR INSTANT COOF DATA First Named Inventor: Stephen S. Selkirk et al. Application Serial No.: 09/884,822/Attorney Docket No. 2001-005-DSK 29/30

